

Title (en)

PREPARATION OF INSECTICIDAL MIXTURE OF STEREOISOMERS OF ALPHA-CYANO-3-PHENOXYBENZYL ISOVALERATES

Publication

EP 0040991 B1 19840718 (EN)

Application

EP 81302345 A 19810527

Priority

JP 7194080 A 19800528

Abstract (en)

[origin: EP0040991A1] The method is for preparation of a mixture of stereoisomers of alpha -cyano-3-phenoxybenzyl-2-[4-chlorophenyl]isovalerate or the derivative having 4-fluoro on the phenoxy nucleus. The compounds each have an asymmetric carbon atom in the alcohol and acid moieties. <??>The starting material is a mixture of one of these esters which contains 35 to 65% of an enantiomer pair of isomers of respectively S-configuration and R-configuration on both moieties, the balance being a mixture of the other [S-R and R-S] pair. This material is dissolved in a solvent, such as an alkanol or an aliphatic or alicyclic hydrocarbon; usually seed crystals comprising the desired isomer pair [S-R and R-S] are added and crystallization thereof takes place of this pair. The crystals are removed, e.g. by filtration; residual liquid contains the desired S-S and R-R enantiomer pair which can be recovered by evaporation in vacuo. <??>The product has high insecticidal and/or acaricidal efficacy.

IPC 1-7

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